

April 3, 2003

Mr. John Clark
Dana Coupled Products
2651 South 600 East
Columbia City, IN 46725

Re: Registered Construction and Operation Status,
183-16870-00015

Dear Mr. Clark:

The application from Dana Coupled Products, received on March 4, 2003, has been reviewed. Based on the data submitted and the provisions in 326 IAC 2-5.5, it has been determined that the following emission units, to be located at 2651 South 600 East, Columbia City, Indiana, are classified as registered:

- (1) One (1) natural gas-fired boiler, with a heat input capacity of 5.2 million British Thermal Units per hour (mmBtu/hr);
- (2) One (1) natural gas-fired barrel line #2 dryer, with a heat input capacity of 1.0 mmBtu/hr;
- (3) Two (2) natural gas-fired rack dryers, identified as #1 and #2, each has a heat input capacity of 0.8 mmBtu/hr;
- (4) One (1) natural gas-fired open top wash station dryer, with a heat input capacity of 1.1 mmBtu/hr;
- (5) One (1) natural gas-fired Bowden wash station dryer, with a heat input capacity of 1.1 mmBtu/hr;
- (6) One (1) electric FMT wash station dryer;
- (7) Three (3) natural gas-fired braze furnaces identified as #1, #5 and #6, each has a heat input capacity of 0.785 mmBtu/hr;
- (8) Three (3) natural gas-fired braze furnaces, identified as #2, #3 each with heat input capacity of 0.614 mmBtu per hour, and #4 with a heat input capacity of 0.638 mmBtu/hr;
- (9) One (1) natural gas-fired braze furnace, identified as #7, with a heat input capacity of 0.41 mmBtu/hr;
- (10) Seven (7) natural gas-fired space heaters, identified as space heaters #1, #2, #3, #4, #5, #6, and #7, each has a heat input capacity of 0.132 mmBtu/hr;
- (11) Six (6) natural gas-fired space heaters, identified as space heaters #8, #9, #10, #11, #12, and #13, each has a heat input capacity of 0.20 mmBtu/hr;
- (12) Eight (8) natural gas-fired air make-up units, identified as make-up units #1, through #8, each has a heat input capacity of 0.001 mmBtu/hr;

- (13) One large wall air make-up unit, with a capacity of 9.1 mmBtu/hr;
- (14) Machining operation which consists of one (1) Hydromat machine, one (1) saw machines, one (1) CNC machine, one (1) Barker mill machine. Twenty (20) of the above mentioned machines are capable of machining 150 pounds per hour (lbs/hr) of brass metal. Thirty-three (33) of the above mentioned machines are capable of machining 50 lbs/hr of steel metal;
- (15) One (1) deburring machine #1, identified as DBR #1, with a capacity of 225 lbs/hr;
- (16) One (1) deburring machine #2, identified as DBR1-01, with a capacity of 150 lbs/hr;
- (17) One (1) deburring machine #3, identified as Pine deburrer, with a capacity of 7 lbs/hr;
- (18) One (1) deburring machine #4, identified as Quick Connect, with a capacity of 300 lbs/hr;
- (19) Steel forming operation which consists of eleven (11) power steering end formers, thirty-six (36) hydraulic brake benders, and eleven (11) A/C end formers. This operation has a capacity of 100 lbs/hr of steel;
- (20) Bending machines which consists of forty-six (46) power steering benders;
- (21) Seven (7) power steering split die crimpers;
- (22) Three (3) inliner machines;
- (23) Eight (8) serators with a total capacity of 75 lbs/hr;
- (24) Three (3) parts washers, rated at 1.8 gallons per hour, using caustic soda;
- (25) Electroplating operation, which consists of barrel lines #1 and #2, rack lines #1 and #2. Barrel line #1 utilizes a soak clean, electro-clean, acid activator, nickel chloride, alkaline zinc, yellow iridescent/bronze chromate and rust inhibitor bath. Barrel line #2, rack line #1 and rack line #2 each utilizes a soak clean, electro-clean, acid activator, alkaline zinc/nickel sulfate, yellow iridescent/bronze chromate and rust inhibitor bath;
- (26) Fifteen (15) small solvent parts washers;
- (27) One (1) Belt Sander;
- (28) Seven (7) electric lift trucks and four (4) propane lift trucks;
- (29) Wastewater pretreatment operations;
- (30) The following ancillary equipment:
 - (a) thirty-three (33) hydraulic brake benders
 - (b) three (3) auto tube stakers,
 - (c) seventeen (17) hydraulic tube stakers,
 - (d) seventeen (17) hydraulic tube stakers,
 - (e) eight (8) air operated tube stakers,
 - (f) three (3) A/C muffler assembly stakers,
 - (g) five (5) A/C punch presses,

- (h) one (1) liquid turbo charger parts washer which utilizes a non-volatile solution,
 - (i) seven (7) spot welders,
 - (j) one (1) T drill machine,
 - (k) two (2) Novi tube cutters,
 - (l) two (2) Haven tube cutters,
 - (m) one (1) A/C rotary cutter,
 - (n) one (1) Grovo-Nelson hydraulic brake tube cutting machine,
 - (o) one (1) quick connect cell tube burnishing machine,
 - (p) one (1) washer/squasher punch press, and
 - (q) one (1) end form/tube end punch.
- (31) Two (2) braze furnaces identified as Braze Furnace # 1 and Braze Furnace #8, each with maximum heat input capacity of 0.5 mmBtu/hr;
- (32) Four (4) deburring machines identified as Deburring Machine #5, #6, #7, and #8, each with a maximum capacity of 450 pounds per hour;
- (33) One (1) Haven tube cutter;
- (34) One (1) Crown tube cutter;
- (35) One (1) Radyne Quality Control Tester;
- (36) One (1) air pressure tester #6;
- (37) Two (2) end formers;
- (38) Six (6) inline machines;
- (39) Fifteen (15) auto tube staker;
- (40) One (1) Dickey machine, #7;
- (41) Two (2) spot welders;
- (42) Two (2) Novi tube cutters;
- (43) Eight (8) power steering end former machines;
- (44) Three (3) form tool machines, identified as #1, #2, and #3;
- (45) One (1) Roll Grove machine identified as #1.

The following conditions shall be applicable:

- (1) Pursuant to 326 IAC 5-1-2 (Opacity Limitations) except as provided in 326 IAC 5-1-3 (Temporary Exemptions), opacity shall meet the following:
- (a) Opacity shall not exceed an average of forty percent (40%) in any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4.
 - (b) Opacity shall not exceed sixty percent (60%) for more than a cumulative total of 15 minutes (60 readings) in a 6-hour period as measured according to 40 CFR 60, Appendix A, Method 9 or fifteen (15) one (1) minute nonoverlapping integrated averages for a continuous opacity monitor in a six (6) hour period.

- (2) Pursuant to 326 IAC 6-2-4 (PM Emissions from Sources of Indirect Heating), PM emissions from the 5.2 mmBtu/hr boiler is limited to 0.6 lb/mmBtu.
- (3) Pursuant to 326 IAC 8-3-2, the owner or operator of the solvent small parts washers # 1 through 15 shall:
 - (a) equip the cleaner with a cover;
 - (b) equip the cleaner with a facility for draining cleaned parts;
 - (c) close the degreaser cover whenever parts are not being handled in the cleaner;
 - (d) drain cleaned parts for at least fifteen (15) seconds or until dripping ceases;
 - (e) provide a permanent, conspicuous label summarizing the operating requirements;
 - (f) store waste solvent only in covered containers and not dispose of waste solvent or transfer it to another party, in such a manner that greater than twenty percent (20%) of the waste solvent (by weight) can evaporate into the atmosphere.
- (4) Pursuant to 326 IAC 8-3-5:
 - (a) the owner or operator of cold cleaner degreaser facilities # 1 through 15 shall ensure that the following control equipment requirements are met:
 - (1) Equip the degreaser with a cover. The cover must be designed so that it can be easily operated with one (1) hand if:
 - (A) the solvent volatility is greater than two (2) kiloPascals (fifteen (15) millimeters of mercury or three-tenths (0.3) pounds per square inch) measured at thirty-eight degrees Celsius (38EC) (one hundred degrees Fahrenheit (100EF));
 - (B) the solvent is agitated; or
 - (C) the solvent is heated.
 - (2) Equip the degreaser with a facility for draining cleaned articles. If the solvent volatility is greater than four and three-tenths (4.3) kiloPascals (thirty-two (32) millimeters of mercury or six-tenths (0.6) pounds per square inch) measured at thirty-eight degrees Celsius (38EC) (one hundred degrees Fahrenheit (100EF)), then the drainage facility must be internal such that articles are enclosed under the cover while draining. The drainage facility may be external for applications where an internal type cannot fit into the cleaning system.
 - (3) Provide a permanent, conspicuous label which lists the operating requirements outlined in subsection (b).
 - (4) The solvent spray, if used, must be a solid, fluid stream and shall be applied at a pressure which does not cause excessive splashing.
 - (5) Equip the degreaser with one (1) of the following control devices if the solvent volatility is greater than four and three-tenths (4.3) kiloPascals (thirty-two (32) millimeters of mercury or six-tenths (0.6) pounds per square inch) measured at thirty-eight degrees Celsius (38EC) (one hundred degrees Fahrenheit (100EF)), or if the solvent is heated to a temperature greater than forty-eight and nine-tenths degrees Celsius (48.9EC) (one hundred twenty degrees Fahrenheit (120EF)):
 - (A) A freeboard that attains a freeboard ratio of seventy-five hundredths (0.75)

or greater.

- (B) A water cover when solvent used is insoluble in, and heavier than, water.
- (C) Other systems of demonstrated equivalent control such as a refrigerated chiller or carbon adsorption. Such systems shall be submitted to the U.S. EPA as a SIP revision.

- (b) the owner or operator of a cold cleaning facility shall ensure that the following operating requirements are met:
 - (1) Close the cover whenever articles are not being handled in the degreaser.
 - (2) Drain cleaned articles for at least fifteen (15) seconds or until dripping ceases.
 - (3) Store waste solvent only in covered containers and prohibit the disposal or transfer of waste solvent in any manner in which greater than twenty percent (20%) of the waste solvent by weight could evaporate.

This registration is a re-registration issued to this source. The source may operate according to 326 IAC 2-5.5.

An authorized individual shall provide an annual notice to the Office of Air Quality that the source is in operation and in compliance with this registration pursuant to 326 IAC 2-5.5-4(a)(3). The annual notice shall be submitted to:

**Compliance Data Section
Office of Air Quality
100 North Senate Avenue
P.O. Box 6015
Indianapolis, IN 46206-6015**

no later than March 1 of each year, with the annual notice being submitted in the format attached.

An application or notification shall be submitted in accordance with 326 IAC 2 to the Office of Air Quality (OAQ) if the source proposes to construct new emission units, modify existing emission units, or otherwise modify the source.

Sincerely,

Original signed by Paul Dubenetzky

Paul Dubenetzky, Chief
Permits Branch
Office of Air Quality

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cc: File - Whitley County
Whitley County Health Department
Air Compliance -Ryan Hillman
Permit Tracking
Technical Support and Modeling - Michele Boner
Compliance Data Section - Karen Nowak

Registration

This form should be used to comply with the notification requirements under 326 IAC 2-5.5-4(a)(3)

Company Name: Dana Coupled Products

Address: 2651 South 600 East

City: Columbia City, Indiana

Authorized individual:

Phone #:

Registration #: 183-16870-00015

I hereby certify that **Dana Coupled Products** is still in operation and is in compliance with the requirements of Registration **183-16870-00015**

Name (typed):

Title:

Signature:

Date:

Indiana Department of Environmental Management Office of Air Quality

Technical Support Document (TSD) for a Re- Registration

Source Background and Description

Source Name:	Dana Coupled Products
Source Location:	2651 South 600 East, Columbia City, Indiana 46725
County:	Whitley
SIC Code:	3714
Registration No.:	183-16870-00015
Permit Reviewer:	Madhurima D. Moulik

The Office of Air Quality (OAQ) has reviewed an application from Dana Coupled Products relating to the construction and operation of their existing automotive parts manufacturing operation. The source added several emission units, which have been listed under *New Emission Units and Pollution Control Equipment*. In addition, the source decommissioned several existing emission units. Only the permitted emission units that are still in operation have been listed under *Permitted Emission Units and Pollution Control Equipment*.

Permitted Emission Units and Pollution Control Equipment

The source consists of the following permitted emission units and pollution control devices:

- (1) One (1) natural gas-fired boiler, with a heat input capacity of 5.2 million British Thermal Units per hour (mmBtu/hr);
- (2) One (1) natural gas-fired barrel line #2 dryer, with a heat input capacity of 1.0 mmBtu/hr;
- (3) Two (2) natural gas-fired rack dryers, identified as #1 and #2, each has a heat input capacity of 0.8 mmBtu/hr;
- (4) One (1) natural gas-fired open top wash station dryer, with a heat input capacity of 1.1 mmBtu/hr;
- (5) One (1) natural gas-fired Bowden wash station dryer, with a heat input capacity of 1.1 mmBtu/hr;
- (6) One (1) electric FMT wash station dryer;
- (7) Three (3) natural gas-fired braze furnaces identified as #1, #5 and #6, each has a heat input capacity of 0.785 mmBtu/hr;
- (8) Three (3) natural gas-fired braze furnaces, identified as #2, #3 each with heat input capacity of 0.614 mmBtu per hour, and #4 with a heat input capacity of 0.638 mmBtu/hr;

- (9) One (1) natural gas-fired braze furnace, identified as #7, with a heat input capacity of 0.41 mmBtu/hr;
- (10) Seven (7) natural gas-fired space heaters, identified as space heaters #1, #2, #3, #4, #5, #6, and #7, each has a heat input capacity of 0.132 mmBtu/hr;
- (11) Six (6) natural gas-fired space heaters, identified as space heaters #8, #9, #10, #11, #12, and #13, each has a heat input capacity of 0.20 mmBtu/hr;
- (12) Eight (8) natural gas-fired air make-up units, identified as make-up units #1, through #8, each has a heat input capacity of 0.001 mmBtu/hr;
- (13) One large wall air make-up unit, with a capacity of 9.1 mmBtu/hr;
- (14) Machining operation which consists of one (1) Hydromat machine, one (1) saw machines, one (1) CNC machine, one (1) Barker mill machine. Twenty (20) of the above mentioned machines are capable of machining 150 pounds per hour (lbs/hr) of brass metal. Thirty-three (33) of the above mentioned machines are capable of machining 50 lbs/hr of steel metal;
- (15) One (1) deburring machine #1, identified as DBR #1, with a capacity of 225 lbs/hr;
- (16) One (1) deburring machine #2, identified as DBR1-01, with a capacity of 150 lbs/hr;
- (17) One (1) deburring machine #3, identified as Pine deburrer, with a capacity of 7 lbs/hr;
- (18) One (1) deburring machine #4, identified as Quick Connect, with a capacity of 300 lbs/hr;
- (19) Steel forming operation which consists of eleven (11) power steering end formers, thirty-six (36) hydraulic brake benders, and eleven (11) A/C end formers. This operation has a capacity of 100 lbs/hr of steel;
- (20) Bending machines which consists of forty-six (46) power steering benders;
- (21) Seven (7) power steering split die crimpers;
- (22) Three (3) inliner machines;
- (23) Eight (8) serators with a total capacity of 75 lbs/hr;
- (24) Three (3) parts washers, rated at 1.8 gallons per hour, using caustic soda;
- (25) Electroplating operation, which consists of barrel lines #1 and #2, rack lines #1 and #2. Barrel line #1 utilizes a soak clean, electro-clean, acid activator, nickel chloride, alkaline zinc, yellow iridescent/bronze chromate and rust inhibitor bath. Barrel line #2, rack line #1 and rack line #2 each utilizes a soak clean, electro-clean, acid activator, alkaline zinc/nickel sulfate, yellow iridescent/bronze chromate and rust inhibitor bath;
- (26) Fifteen (15) small solvent parts washers;
- (27) One (1) Belt Sander;
- (28) Seven (7) electric lift trucks and four (4) propane lift trucks;
- (29) Wastewater pretreatment operations; and

(30) The following ancillary equipment:

- (a) thirty-three (33) hydraulic brake benders
- (b) three (3) auto tube stakers,
- (c) seventeen (17) hydraulic tube stakers,
- (d) seventeen (17) hydraulic tube stakers,
- (e) eight (8) air operated tube stakers,
- (f) three (3) A/C muffler assembly stakers,
- (g) five (5) A/C punch presses,
- (h) one (1) liquid turbo charger parts washer which utilizes a non-volatile solution,
- (i) seven (7) spot welders,
- (j) one (1) T drill machine,
- (k) two (2) Novi tube cutters,
- (l) two (2) Haven tube cutters,
- (m) one (1) A/C rotary cutter,
- (n) one (1) Grovo-Nelson hydraulic brake tube cutting machine,
- (o) one (1) quick connect cell tube burnishing machine,
- (p) one (1) washer/squasher punch press, and
- (q) one (1) end form/tube end punch.

New Emission Units and Pollution Control Equipment

The source also consists of the following new facilities/units:

- (a) Two (2) braze furnaces identified as Braze Furnace # 1 and Braze Furnace #8, each with maximum heat input capacity of 0.5 mmBtu/hr;
- (b) Four (4) deburring machines identified as Deburring Machine #5, #6, #7, and #8, each with a maximum capacity of 450 pounds per hour;
- (c) One (1) Haven tube cutter;
- (d) One (1) Crown tube cutter;
- (e) One (1) Radyne Quality Control Tester;
- (f) One (1) air pressure tester #6;
- (g) Two (2) end formers;
- (h) Six (6) inline machines;
- (i) Fifteen (15) auto tube staker;
- (j) One (1) Dickey machine, #7;
- (k) Two (2) spot welders;
- (l) Two (2) Novi tube cutters;
- (m) Eight (8) power steering end former machines;
- (n) Three (3) form tool machines, identified as #1, #2, and #3;
- (o) One (1) Roll Grove machine identified as #1.

Existing Approvals

The source has been operating under previous approvals including, but not limited to, the following:

- (a) Registration No.: 183-14330-00015, issued on April 1, 2001;
- (b) Registration No.: 183-15348-00015, issued on July 3, 2002.

Enforcement Issue

There are no enforcement actions pending.

Recommendation

The staff recommends to the Commissioner that the construction and operation be approved. This recommendation is based on the following facts and conditions:

Unless otherwise stated, information used in this review was derived from the application and additional information submitted by the applicant.

A complete application for the purposes of this review was received on March 4, 2003.

Emission Calculations

The emissions from existing emission units are summarized below. For detailed emissions calculations for existing units see Technical Support Document for Registration No. 183-15348-00015.

Uncontrolled Emissions from Existing Units (still in operation)

Emission Unit	PM	PM-10	SO ₂	NO _x	VOC	CO
Boiler (5.2 mmBtu/hr)	0.17	0.17	0.01	2.28	0.13	1.91
Other Combustion Units (19.7 mmBtu/hr)	0.66	0.66	0.05	8.67	0.48	7.28
Electroplating (Barrel Line #1) Using Nickel Chloride Using Alkaline Zinc	0.13 ³ 0.42	0.13 0.42	- -	- -	- -	- -
Barrel Line #2 (Rack Line 1 and #2) Using Alkaline Zn/Nickel Sulfate Using Yellow Iridescent/Bronze Chromate	2.9 ³ -	2.9 -	- 0.024	- 0.075	- -	- -
Parts Washing Machine (Using Caustic Soda)	-	-	-	-	-	-
Machining Operations ¹	0.66	0.66	-	-	-	-
Deburring Machines #1, #2, #3, #4	0.657	0.657	-	-	-	-
Copper Brazing Paste ²	-	-	-	-	1.6	-
Propane Lift Trucks	0.001	0.001	-	0.030	0.001	0.007

Bending, Crimping, Inliner machines	-	-	-	-	-	-
Wastewater Pretreatment	-	-	-	-	Negligible	-
Parts Washers 1-15	-	-	-	-	0.53	-
Belt Grinder	0.002	0.001	-	-	-	-
TOTAL EMISSIONS	5.6	5.6	0.08	11.06	2.74	9.2

¹Only one brass-cutting machine, identified as Barker Mill machine has a dry cutting process with emissions.

² Used in Brazing Furnaces, contains 18% VOC.

³Nickel which is also a HAP.

Emissions from New Units:

- (1) Braze Furnace #0 and #8: total maximum heat input capacity = 1.0 mmBtu/hr.

Natural-gas combustion EF = 7.6 lb/mmcf of PM/PM-10

SO₂ = 0.6 lb/mmcf

NO_x = 100 lb/mmcf

VOC = 5.5 lb/mmcf

CO = 84 lb/mmcf

Emissions (tons/yr) = EF (lb/mmcf) x capacity (mmBtu/hr) x 8760 hr/yr x 1 ton/2000 lb x 1/1000 (cf/Btu) x 1.0E+06 (Btu/mmBtu)x 1.0E-06 mmcf/cf

Emissions: PM/PM-10, SO₂, Nox, and VOC = Negligible

CO = 0.4 tons/yr

Copper brazing paste containing 18%VOC: 0.5 lb/hr

VOC emissions = 0.5 lb/hr x 0.18 x 8760 hr/yr x 1 ton/2000lb = 0.39 tons/yr

- (2) Four (4) deburring machines: total capacity = 1800 pounds per hour.

Material Lost = 0.022%

PM/PM-10 emissions = 1800 lb/hr x 0.00022 x 1 ton/2000 lb x 8760 hr/yr = 1.73 tons/yr.

- (3) The remaining new emission units at this source are estimated to have negligible emissions of criteria pollutants and HAPs.

Potential To Emit of Source Before Controls

Pursuant to 326 IAC 2-1.1-1(16), Potential to Emit is defined as “the maximum capacity of a stationary source or emissions unit to emit any air pollutant under its physical and operational design. Any physical or operational limitation on the capacity of a source to emit an air pollutant, including air pollution control equipment and restrictions on hours of operation or type or amount of material combusted, stored, or processed shall be treated as part of its design if the limitation is enforceable by the U. S. EPA, the department, or the appropriate local air pollution control agency.”

Pollutant	Potential To Emit (tons/year)
PM	7.33
PM-10	7.33
SO ₂	0.08

VOC	3.13
CO	9.6
NO _x	11.06

HAP's	Potential To Emit (tons/year)
Nickel	3.03
TOTAL	3.03

- (d) The potential to emit (as defined in 326 IAC 2-7-1(29)) of NO_x is less than 25 tons per year but greater than 10 tons per year. Therefore, the source is subject to the provisions of 326 IAC 2-5.5. A registration will be issued.

County Attainment Status

The source is located in Whitley County.

Pollutant	Status
PM-10	attainment
SO ₂	attainment
NO ₂	attainment
Ozone	attainment
CO	attainment
Lead	attainment

- (a) Volatile organic compounds (VOC) are precursors for the formation of ozone. Therefore, VOC emissions are considered when evaluating the rule applicability relating to the ozone standards. Whitley County has been designated as attainment or unclassifiable for ozone. Therefore, VOC emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2 and 40 CFR 52.21. See the State Rule Applicability for the source section.
- (b) Whitley County has been classified as attainment or unclassifiable for all other criteria pollutants. Therefore, these emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2 and 40 CFR 52.21. See the State Rule Applicability for the source section.

Part 70 Permit Determination

326 IAC 2-7 (Part 70 Permit Program)

This existing source is not subject to the Part 70 Permit requirements because the potential to emit (PTE) of:

- (a) each criteria pollutant is less than 100 tons per year,
- (b) a single hazardous air pollutant (HAP) is less than 10 tons per year, and
- (c) any combination of HAPs is less than 25 tons/year.

This status is based on all the air approvals issued to the source.

Federal Rule Applicability

- (a) The natural gas-fired boiler at the source is not subject to the requirements of the New Source Performance Standard, 326 IAC 12, (40 CFR 60, Subpart Dc - Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units), since the maximum heat input capacity of 5.2 mmBtu per hour is less than the applicability threshold of 10 mmBtu per hour.
- (b) The chromium electroplating process at the source is not subject to the requirements of the National Emission Standards for Hazardous Air Pollutants (NESHAPs), (40 CFR 63, Subpart N - National Emission Standards for Chromium Emission from Hard and Decorative Electroplating and Chromium Anodizing Tanks), because the source uses bronze chromate for electroplating and not chromic acid or chromium anhydride.
- (c) The parts washers at the source are not subject to the requirements of the National Emission Standards for Hazardous Air Pollutants (NESHAPs), (40 CFR 63, Subpart T - National Emission Standards for Halogenated Solvent Cleaner) because the source does not use any of the halogenated solvents listed in the rule.
- (d) The wastewater operation at the source is not subject to the requirements of the National Emission Standards for Hazardous Air Pollutants (NESHAPs), (40 CFR 63, Subpart DD - National Emission Standards for Hazardous Air Pollutants from Off-Site Waste and Recovery Operations), because the source is not a major source for HAPs, and the plant does not treat off-site wastewater.

State Rule Applicability - Entire Source

326 IAC 2-2 (Prevention of Significant Deterioration)

This source does not have the potential to emit any criteria pollutant of more than 250 tons per year, and it is not one of the 28 listed source categories. Therefore, 326 IAC 2-2 does not apply.

326 IAC 2-6 (Emission Reporting)

This source is located in Whitley County and the potential to emit of criteria pollutants is less than one hundred (100) tons per year. Therefore, 326 IAC 2-6 does not apply.

326 IAC 2-4.1 (Major Sources of Hazardous Air Pollutants (HAP))

The operation of this automotive parts manufacturing facility will emit less than 10 tons per year of a single HAP or 25 tons per year of a combination of HAPs. Therefore, 326 IAC 2-4.1 does not apply.

326 IAC 5-1 (Visible Emissions Limitations)

Pursuant to 326 IAC 5-1-2 (Opacity Limitations), except as provided in 326 IAC 5-1-3 (Temporary Exemptions), opacity shall meet the following, unless otherwise stated in this permit:

- (a) Opacity shall not exceed an average of forty percent (40%) any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4.
- (b) Opacity shall not exceed sixty percent (60%) for more than a cumulative total of fifteen (15) minutes (sixty (60) readings) as measured according to 40 CFR 60, Appendix A, Method 9 or fifteen (15) one (1) minute nonoverlapping integrated averages for a continuous opacity

monitor) in a six (6) hour period.

State Rule Applicability - Individual Facilities

326 IAC 6-2-4 (PM Emissions from Sources of Indirect Heating)

The 5.2 mmBtu/hr boiler, constructed in 1984, is subject to 326 IAC 6-2-4. The PM emissions limit is determined by the following equation:

$$Pt = 1.09/Q^{0.26}$$

Where:

Pt = pounds of PM emitted per million Btu heat input.

Q = Total source maximum operating capacity rating in million Btu per hour heat input

Therefore, Pt = 0.71 lb/mmBtu which is greater than Pt limit of 0.6 lb/mmBtu for Q less than 10 mmBtu/hr, as stated in the rule.

Therefore, PM from the 5.2 mmBtu/hr boiler is limited to 0.6 lb/mmBtu = 13.7 tons per year.

The boiler has potential to emit of PM much lower than this limit. Therefore, the boiler is in compliance with 326 IAC 6-2-4.

326 IAC 6-3-2 (Process Operations)

All of the manufacturing processes at this source have potential emissions of less than 0.551 pounds per hour, which are exempt from the requirements of 326 IAC 6-3-2.

Combustion from indirect heating is exempt from the requirement of 326 IAC 6-3-2. Therefore, this rule does not apply to the 5.2 mmBtu/hr boiler.

326 IAC 8-3-2 (Organic Solvent Degreasing Operations)

The three (3) parts washers using caustic soda are not subject to this rule, since the solvent used does not contain organic compounds.

The fifteen (15) organic solvent parts washers (# 1 through 15), are cold cleaner degreasers, constructed after January 1, 1980. Therefore, these parts washers are subject to 326 IAC 8-3-2.

Pursuant to 326 IAC 8-3-2, the owner or operator of the solvent small parts washers # 1 through 15 shall:

- (e) equip the cleaner with a cover;
- (f) equip the cleaner with a facility for draining cleaned parts;
- (g) close the degreaser cover whenever parts are not being handled in the cleaner;
- (h) drain cleaned parts for at least fifteen (15) seconds or until dripping ceases;
- (i) provide a permanent, conspicuous label summarizing the operating requirements;
- (j) store waste solvent only in covered containers and not dispose of waste solvent or transfer it to another party, in such a manner that greater than twenty percent (20%) of the waste solvent (by weight) can evaporate into the atmosphere.

326 IAC 8-3-5 (Organic Solvent Degreasing Operations)

The three (3) parts washers using caustic soda are not subject to this rule, since the solvent used does not contain organic compounds.

The fifteen (15) organic solvent parts washers (# 1 through 15), are cold cleaner degreasers, and do not have remote solvent reservoirs, and were all constructed after July 1, 1990. Therefore, these parts washers are subject to 326 IAC 8-3-5.

Pursuant to 326 IAC 8-3-5:

- (a) the owner or operator of cold cleaner degreaser facilities # 1 through 15 shall ensure that the following control equipment requirements are met:
 - (1) Equip the degreaser with a cover. The cover must be designed so that it can be easily operated with one (1) hand if:
 - (A) the solvent volatility is greater than two (2) kiloPascals (fifteen (15) millimeters of mercury or three-tenths (0.3) pounds per square inch) measured at thirty-eight degrees Celsius (38EC) (one hundred degrees Fahrenheit (100EF));
 - (B) the solvent is agitated; or
 - (C) the solvent is heated.
 - (2) Equip the degreaser with a facility for draining cleaned articles. If the solvent volatility is greater than four and three-tenths (4.3) kiloPascals (thirty-two (32) millimeters of mercury or six-tenths (0.6) pounds per square inch) measured at thirty-eight degrees Celsius (38EC) (one hundred degrees Fahrenheit (100EF)), then the drainage facility must be internal such that articles are enclosed under the cover while draining. The drainage facility may be external for applications where an internal type cannot fit into the cleaning system.
 - (3) Provide a permanent, conspicuous label which lists the operating requirements outlined in subsection (b).
 - (4) The solvent spray, if used, must be a solid, fluid stream and shall be applied at a pressure which does not cause excessive splashing.
 - (5) Equip the degreaser with one (1) of the following control devices if the solvent volatility is greater than four and three-tenths (4.3) kiloPascals (thirty-two (32) millimeters of mercury or six-tenths (0.6) pounds per square inch) measured at thirty-eight degrees Celsius (38EC) (one hundred degrees Fahrenheit (100EF)), or if the solvent is heated to a temperature greater than forty-eight and nine-tenths degrees Celsius (48.9EC) (one hundred twenty degrees Fahrenheit (120EF)):
 - (A) A freeboard that attains a freeboard ratio of seventy-five hundredths (0.75) or greater.
 - (B) A water cover when solvent used is insoluble in, and heavier than, water.
 - (C) Other systems of demonstrated equivalent control such as a refrigerated chiller or carbon adsorption. Such systems shall be submitted to the U.S. EPA as a SIP revision.

- (b) the owner or operator of a cold cleaning facility shall ensure that the following operating requirements are met:
 - (1) Close the cover whenever articles are not being handled in the degreaser.
 - (2) Drain cleaned articles for at least fifteen (15) seconds or until dripping ceases.
 - (3) Store waste solvent only in covered containers and prohibit the disposal or transfer of waste solvent in any manner in which greater than twenty percent (20%) of the waste solvent by weight could evaporate.

Conclusion

The construction and operation of this automotive parts manufacturing operation shall be subject to the conditions of the Registration No. 183-16870-00015.